

September 24, 2002

RE: *The New York Blower Company* *091-16067-00056*

TO: Interested Parties / Applicant

FROM: Paul Dubenetzky
 Chief, Permits Branch
 Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within (18) eighteen days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) the date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for consideration at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosure

Mr. Byron Taylor
The New York Blower Company
171 Factory Street
LaPorte, Indiana 46350

Re: 091-16067
First Significant Revision to
FESOP Renewal 091-13638-00056

Dear Mr. Taylor:

The New York Blower Company was issued a FESOP Renewal on May 29, 2001 for a metal and fiberglass air moving equipment manufacturing operations. A letter requesting changes to this permit was received on June 3, 2002. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant revision to this permit is hereby approved for the construction of the following equipment as described in the attached Technical Support Document:

- (a) One (1) new shot blast unit, with a maximum nozzle pressure of 100 psi, inside nozzle diameter of 7/8 inch, capable of using a maximum of 3,360 pounds of abrasive per hour, PM emission is controlled by a dust collector.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Aida De Guzman, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call at (800) 451-6027, press 0 and ask for Aida De Guzman or extension (3-4972), or dial (317) 233-4972.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

APD

cc: File - LaPorte County
U.S. EPA, Region V
LaPorte County Health Department
Northwest Regional Office
Air Compliance Section Inspector - Rick Massoels
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL OFFICE OF AIR QUALITY

**The New York Blower Company
171 Factory Street
La Porte, Indiana 46350**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 091-13638-00056	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: May 29, 2001 Expiration Date: May 29, 2006
First Significant Permit Revision No.: 091-16067	Pages Affected: 4, 5, 31 Pages Added: 31a
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: September 24, 2002

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.2.7 Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.8 Record Keeping Requirements

D.2.9 Reporting Requirements

SECTION D.2a FACILITY OPERATION CONDITIONS: New Shot Blast Unit

SECTION D.3 FACILITY OPERATION CONDITIONS: Insignificant Activities

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Particulate Matter (PM) [326 IAC 6-3-2]

Certification

Emergency Occurrence Report

FESOP Quarterly Reports

Quarterly Deviation and Compliance Monitoring Report

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary metal and fiberglass air moving equipment manufacturing source.

Authorized Individual:	Byron L. Taylor
Source Address:	171 Factory Street, La Porte, Indiana 46350
Mailing Address:	171 Factory Street, La Porte, Indiana 46350
SIC Code:	3564
Source Location Status:	La Porte County
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD or Emission Offset Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Source Definition [326 IAC 2-8-1] [326 IAC 2-7-1(22)]

This metal and fiberglass air moving equipment manufacturing source consists of four (4) plants located on contiguous properties, having the same SIC codes, owned by one (1) company, and functioning as a single source. Therefore, they are considered one (1) source.

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Six (6) paint booths, identified as S1, S2, S3, S4, S7 and S8, constructed between 1974 and 1979, equipped with air atomization spray guns and dry filters as overspray control, exhausting to stacks S1, S2, S3, S4, S7 and S8, respectively.
- (b) Two (2) paint booths, identified as S5 and S6, constructed between 1974 and 1979, equipped with high volume, low pressure (HVLP) spray guns and dry filters as overspray control, exhausting to stacks S5 and S6, respectively.
- (c) One (1) paint booth, identified as S9, constructed after 1979, equipped with air atomization spray guns and dry filters as overspray control, exhausting to stack S9, respectively.
- (d) One (1) fiberglass spray booth, identified as S11, constructed between 1974 and 1979, equipped with flow coaters and dry filters as overspray control, exhausting to stack S11.
- (e) One (1) fiberglass booth for hand cleaning molds with acetone, gel coat repair application using cup guns, and graphite application, identified as S12, constructed between 1974 and 1979, equipped with dry filters as overspray control, exhausting to stack S12.
- (f) One new shot blast unit, with a maximum nozzle pressure of 100 psi, inside nozzle diameter of 7/8 inch, capable of using a maximum of 3,360 pounds of abrasive per hour, PM emission is controlled by a dust collector.

SECTION D.2a

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (f) One new shot blast unit, with a maximum nozzle pressure of 100 psi, inside nozzle diameter of 7/8 inch, capable of using a maximum of 3,360 pounds of abrasive per hour, PM emission is controlled by a dust collector.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2a.1 Particulate Emissions [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emission from the new shot blast unit shall not exceed 5.8 pounds per hour at a process weight rate of 3,360 pounds per hour. The particulate emission limit shall be calculated using the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Compliance Determination Requirements

D.2a.2 Particulate Emissions

The dust collector for particulate control shall be in operation at all times that the new shot blast unit is in operation, in order to comply with Condition D.2a1.

Indiana Department of Environmental Management Office of Air Quality

Addendum to the Technical Support Document for a Significant Revision to a FESOP

Source Name: The New York Blower Company
Source Location: 171 Factory Street, LaPorte, Indiana 46350
County: LaPorte
SIC Code: 3564
Significant FESOP Revision: 091-16067
FESOP Renewal No.: F091-13638-00056
Permit Reviewer: Aida De Guzman

On August 1, 1002, the Office of Air Quality (OAQ) had a notice published in the News Dispatch, Michigan City, Indiana, stating that The New York Blower Company had applied for a Significant FESOP Revision for the installation and operation of one shot blast unit. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAQ has decided to make the following revisions to the permit (additions are **bolded** and deletions are ~~struck through~~ for emphasis):

1. Since the shot blast unit has been constructed and operated prior to the issuance of a proper air permit, the source will be referred for enforcement and the following paragraph will be added as part of the TSD.

Enforcement Issue

- (a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit.
 - (b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the operation permit rules.
2. The table on the **Source Status** in the TSD will be revised to note that the HAPs total emission is 32.35 tons per year and the < 25 tons per year as written in the TSD is the limit for combined HAPs:

Source Status

Existing Source PSD Definition (emissions based on the latest permit (FESOP Renewal F091-13638-00056) issued on May 29, 2001, which reflects the PTE after controls and limitations)

Pollutant	Potential To Emit (tons/year)
PM	3.42

PM ₁₀	4.80
SO ₂	0.144
VOC	< 100
CO	20.2
NO _x	24.0

HAPs	Potential To Emit (tons/year)
Manganese	0.016
Nickel	0.167
Chromium	0.032
Benzene	0.0005
Dichlorobenzene	0.0003
Formaldehyde	0.018
Hexane	0.447
Toluene	7.51
Lead	0.0001
Cadmium	0.0003
Cumene	0.020
Ethyl benzene	0.351
Hexamethylene-Diisocyanate	0.020
MEK	0.113
MIBK	5.17
Styrene	9.0
Xylenes	9.0
Tolyl Bigunaide	0.015
Ethylene Glycol	0.150
Cobalt	0.095
N,N Dimethylaniline	0.099
Phosphorus	negligible
Antimony Compounds	0.134
TOTAL	32.35 but limited < 25

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Significant Permit Revision to a Federally Enforceable State Operating Permit

Source Background and Description

Source Name:	The New York Blower Company
Source Location:	171 Factory Street, LaPorte, Indiana 46350
County:	LaPorte
SIC Code:	3564
Operation Permit Renewal No.:	F 091-13638-00056
Operation Permit Issuance Date:	May 29, 2001
First Significant Permit Revision No.:	091-16067
Permit Reviewer:	Aida De Guzman

The Office of Air Quality (OAQ) has reviewed a revision application from The New York Blower Company relating to the installation and operation of the following emission unit to be used in the metal and fiberglass air moving equipment manufacturing operations:

- (a) One new shot blast unit, with a maximum nozzle pressure of 100 psi, inside nozzle diameter of 7/8 inch, capable of using a maximum of 3,360 pounds of abrasive per hour, PM emission is controlled by a dust collector.

History

On June 3, 2002 The New York Blower Company submitted an application to the OAQ requesting to add a new emission unit to their existing plant. The New York Blower Company was issued a FESOP on December 12, 1996; and a FESOP Renewal was issued on May 29, 2001.

Existing Approvals

The source was issued a FESOP F091-5578-00056 on December 12, 1996. The source has since received the following:

- (a) First Minor Permit Revision 091-10666, issued on April 29, 1999; and
- (b) FESOP Renewal 091-13638-00056, issued on May 29, 2001.

Recommendation

The staff recommends to the Commissioner that the Significant Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on June 3, 2002. Additional information was received by mail on June 20, 2002, and via e-mail on July 17, 2002.

Emission Calculations

- (a) Shot Blasting Emissions:
 Dust Collector Efficiency - 99.9%
 Using Steel Shot Emission Factor from the STAPPA/ALAPCO

Table 2-2 Emission Factors - 0.004 lb PM/lb abrasive
 - 0.86 lb PM10/lb PM

From Table 2-4 Flow Rate of Sand Through a Blasting Nozzle as a Function of Nozzle Pressure and Internal Diameter:

Internal Diameter (inches)	Nozzle Pressure (psig)	Sand Flow Rate (lb/hr)
3/4	100	2,880
1	100	5,060

Proposed Shot Blaster inside diameter - 7/8

$$\frac{7/8}{3/4} * 2,880 \text{ lb/hr} = 3,360 \text{ lb/hr}$$

Uncontrolled Emissions:

$$\text{PM Emissions} = 3,360 \text{ lb/hr} * 0.004 \text{ lb/lb} * 8760 \text{ hrs/yr} * \text{ton}/2000 \text{ lb} = 58.86 \text{ tons/yr}$$

$$\text{PM10 Emissions} = 13.44 \text{ lb PM/hr} * 0.86 \text{ lb PM10/lb PM} * 8760 \text{ hrs/yr} * \text{ton}/2000 \text{ lb} = 50.6 \text{ tons/yr}$$

Controlled Emissions:

$$\text{PM Emissions} = 58.85 \text{ tons/yr} (1-0.999) = 0.059 \text{ ton/yr}$$

$$\text{PM10 Emission} = 50.6 \text{ tons/yr} (1-.999) = 0.051 \text{ ton/yr}$$

Potential To Emit Before Control/Limitation

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

Pollutant	Potential To Emit (tons/year)
PM	58.86
PM-10	50.6
SO ₂	0.0
VOC	0.0

CO	0.0
NO _x	0.0

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Justification for the Permit Level

- (a) The new shot blast unit is a modification involving a “pollution control” project as defined in 326 IAC 2-1.1-1 that results in an increase in the potential to emit of Particulate Matter (PM) and Particulate Matter Equal to or Less than Ten Microns (PM10) greater than 25 tons per year for each pollutant. Therefore, the revision is subject to the provisions of 326 IAC 2-8-11.1(f), Significant Permit Revision.
- (b) The new shot blast unit does not meet the definition of an “insignificant activity”, since the dust collector that controls its PM emissions has an air flow rate of 20,500 actual cubic feet per minute (acfm), as compared to 4,000 acfm for an insignificant activity.

Actual Emissions

No previous emission data has been received from the source.

Source Status

Existing Source PSD Definition (emissions based on the latest permit (FESOP Renewal F091-13638-00056) issued on May 29, 2001, which reflects the PTE after controls and limitations)

Pollutant	Potential To Emit (tons/year)
PM	3.42
PM ₁₀	4.80
SO ₂	0.144
VOC	< 100
CO	20.2
NO _x	24.0

HAPs	Potential To Emit (tons/year)
Manganese	0.016
Nickel	0.167
Chromium	0.032
Benzene	0.0005
Dichlorobenzene	0.0003
Formaldehyde	0.018
Hexane	0.447
Toluene	7.51

Lead	0.0001
Cadmium	0.0003
Cumene	0.020
Ethyl benzene	0.351
Hexamethylene-Diisocyanate	0.020
MEK	0.113
MIBK	5.17
Styrene	9.0
Xylenes	9.0
Tolyl Bigunaide	0.015
Ethylene Glycol	0.150
Cobalt	0.095
N,N Dimethylaniline	0.099
Phosphorus	negligible
Antimony Compounds	0.134
TOTAL	< 25

- (a) This existing source is not a major stationary source under the Prevention of Significant Deterioration (PSD), because no regulated pollutant is emitted at a rate of 250 tons per year or greater. HAPs emissions are not regulated under PSD.

Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this FESOP source modification.

POTENTIAL TO EMIT (tons/year)							
Process/Facility	PM	PM10	SO2	VOC	CO	NOx	HAPs
New Shot Blast Unit	0.059	0.051	0.0	0.0	0.0	0.0	0.0
PSD Threshold Levels	250	250	250	250	250	250	-

Existing Source PTE	3.42	4.80	0.144	<100	20.2	24.0	Single HAP < 9.0 Combined HAPs < 25
Source PTE After Issuance of the Modification	3.48	4.85	0.144	<100	20.2	24.0	Single HAP < 9.0 Combined HAPs < 25

This modification to an existing minor stationary source is not major because the emission increase is less than the PSD threshold levels. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

County Attainment Status

The source is located in LaPorte County.

Pollutant	Status
PM-10	attainment
SO ₂	Maintenance
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	not determined

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. LaPorte County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

- (a) New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60):
(1) There are no New Source Performance Standards applicable to this revision.
- (b) National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63)
(1) There are no National Emission Standards for Hazardous Air Pollutants applicable to this revision.

State Rule Applicability - Entire Source

- (a) 326 IAC 5-1 (Visible Emissions Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability - Individual Facilities

- (a) 326 IAC 8 (Volatile Organic Sources)
The shot blast unit is not subject to any provision under 326 IAC 8, since it is not a source of volatile organic compounds.
- (b) 326 IAC 6-3-2 (Process Operations)
This rule is applicable to the new shot blast unit, which mandates a particulate emissions limit using the following equation:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$\begin{aligned} E &= 4.10 P^{0.67} \\ &= 4.10 (1.68)^{0.67} \\ &= 5.8 \text{ lbs/hr} \end{aligned}$$

where: E = rate of emission in pounds per hour and
P = process weight rate in tons per hour
= 3,360 lbs/hr / 2000
= 1.68 tons/hr

The dust collector shall be in operation at all times the shot blast unit is in operation, in order to comply with this limit.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

Revision to the FESOP

- (1) Section A.3 is revised to add the new shot blast unit and be numbered as item (f) as follows (changes are **bolded** and deletions are ~~struck through~~ for emphasis):

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

(a) through (e) - no changes

- (f) **One new shot blast unit, with a maximum nozzle pressure of 100 psi, inside nozzle diameter of 7/8 inch, capable of using a maximum of 3,360 pounds of abrasive per hour, PM emission is controlled by a dust collector.**

- (2) Section D2.a is added in the FESOP to incorporate the new shot blast unit:

SECTION D.2a

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (f) **One new shot blast unit, with a maximum nozzle pressure of 100 psi, inside nozzle diameter of 7/8 inch, capable of using a maximum of 3,360 pounds of abrasive per hour, PM emission is controlled by a dust collector.**

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2a.1 Particulate Emissions [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emission from the new shot blast unit shall not exceed 5.8 pounds per hour at a process weight rate of 3,360 pounds per hour. The particulate emission limit shall be calculated using the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

Compliance Determination Requirements

D.2a.2 Particulate Emissions

The dust collector for particulate control shall be in operation at all times that the new shot blast unit is in operation, in order to comply with Condition D.2a1.

Conclusion

The operation of this shot blast unit shall be subject to the conditions of the attached **Significant Permit Revision 091-16067-00056**.